

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.: 60000500-1007  
First Named Inventor: Thomas J. Vanderwiel  
Title: APPARATUS AND METHOD FOR CREATING  
SKETCH-BASED EGGCRATE SUBSTRUCTURES  
FOR COMPOSITE PARTS  
Express Mail Label No. EV 332955095 US  
Date of Deposit: February 6, 2004

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ This Form includes the Fee Transmittal (See Box 19)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status. (See 37 CFR 1.27)
3. ☒ Specification [Total Pages 37]
4. ☒ Drawing(s) (35 USC 113) [Total Sheets 26]
5. ☒ Declaration and Power of Attorney [Total Pages 3]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate

ADDRESS TO: MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

8. ☐ Nucleotide and/or Amino Acid Sequence Submission
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R in duplicate; or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
15. ☐ Certified copy of \_\_\_\_\_ Priority Document:  
Document No. \_\_\_\_\_, filed on \_\_\_\_\_.
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.: \_\_\_\_\_/\_\_\_\_\_  
Prior application information: Examiner Name: \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. FEE CALCULATIONS:

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) BASIC FEE
					\$770.00
TOTAL CLAIMS		67	47	\$18.00	\$846.00
INDEPENDENT CLAIMS		2	-	\$86.00	\$0
		ANY MULTIPLE DEPENDENT CLAIMS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		\$145.00	\$0
				SUBTOTAL	\$1,616.00

- a. ☒ In connection with this application, the Commissioner is hereby authorized to credit overpayments or to charge any additional fee required to Deposit Account No. 19-3140. **A duplicate copy of this sheet is enclosed.**
- b. ☒ The enclosed credit card payment form to charge the amount of \$1,616.00 covers the total claim fee.

20. ☐ CUSTOMER NO. 26263

Dated: February 6, 2004

SIGNATURE:   
David E. Crawford, Jr. (Reg. No. 38,118)